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**161** [Discovering unexpected information from your competitors' web sites](#)

82%



Bing Liu , Yiming Ma , Philip S. Yu

**Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining** August 2001

Ever since the beginning of the Web, finding useful information from the Web has been an important problem. Existing approaches include keyword-based search, wrapper-based information extraction, Web query and user preferences. These approaches essentially find information that matches the user's explicit specifications. This paper argues that this is insufficient. There is another type of information that is also of great interest, i.e., unexpected information, which is unanticipated by the use ...

**162** [Constraints for semistructured data and XML](#)

82%



Peter Buneman , Wenfei Fan , Jérôme Siméon , Scott Weinstein

**ACM SIGMOD Record** March 2001

Volume 30 Issue 1

Integrity constraints play a fundamental role in database design. We review initial work on the expression of integrity constraints for semistructured data and XML.

**163** [Function-based object model towards website adaptation](#)

82%



Jinlin Chen , Baoyao Zhou , Jin Shi , Hongjiang Zhang , Qiu Fengwu

**Proceedings of the tenth international conference on World Wide Web** April 2001**164** [Towards second and third generation web-based multimedia](#)

82%




Jacco van Ossenbruggen , Joost Geurts , Frank Cornelissen , Lynda Hardman , Lloyd Rutledge

- 165** The design and implementation of the redland RDF application framework 82%


 David Beckett  
**Proceedings of the tenth international conference on World Wide Web April 2001**

- 166** Tools for application-oriented performance tuning 82%

 John Mellor-Crummey , Robert Fowler , David Whalley  
**Proceedings of the 15th international conference on Supercomputing June 2001**


Application performance tuning is a complex process that requires assembling various types of information and correlating it with source code to pinpoint the causes of performance bottlenecks. Existing performance tools don't adequately support this process in one or more dimensions. We discuss some of the critical utility and usability issues for application-level performance analysis tools in the context of two performance tools, *MHSim* and *HPCView*, that we built to support our ...

- 167** Tools for World Wide Web based legal decision support systems 82%

 Andrew Stranieri , John Yearwood , John Zeleznikow  
**Proceedings of the 8th international conference on Artificial intelligence and law May 2001**


The majority of legal knowledge based systems (LKBS) in commercial use are rule based and target domains of law characterized by large and complex statutes where modelling discretion is not a central concern. Furthermore, to date, few LKBS execute on the World Wide Web. Despite this, LKBS designed for a web environment can make law more universally accessible and transparent. Tools required to facilitate the development of web based systems include a web based expert system shell, conceptual ...

- 168** Regular expression pattern matching for XML 82%

 Haruo Hosoya , Benjamin Pierce  
**ACM SIGPLAN Notices , Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on Principles of programming languages January 2001**  
 Volume 36 Issue 3

We propose *regular expression pattern matching* as a core feature for programming languages for manipulating XML (and similar tree-structured data formats). We extend conventional pattern-matching facilities with regular expression operators such as repetition (\*), alternation (I), etc., that can match arbitrarily long *sequences* of subtrees, allowing a compact pattern to extract data from the middle of a complex sequence. We show how to check standard notions of exhaustiveness and r ...

- 169** Prototype for wrapping and visualizing geo-referenced data in a distributed environment 82%


 using XML technology  
 Jianting Zhang , Muhammad Javed , Amir Shaheen , Le Gruenwald  
**Proceedings of the eighth ACM international symposium on Advances in geographic information systems November 2000**

This paper proposes a prototype for integration and visualization of geo-referenced information (GRI) in a distributed environment in general and World Wide Web in particular. This prototype adopts a three-tier architecture and includes three main components: GRI wrapper for distributed GRI web sites, GRI integration mediator and client side visualization

In this prototype, XML is used as a communication protocol between distributed web sites that provide GRI and the mediat ...

**170** Requirements engineering for product families

82%


 Juha Kuusela , Juha Savolainen

**Proceedings of the 22nd international conference on Software engineering** June 2000

In search for improved software quality and high productivity, software reuse has become a key research area. One of the most promising reuse approaches is product families. However, current practices in requirements engineering do not support product families. This paper describes a definition hierarchy method for requirements capturing, structuring, analysis and documentation. This method helps to identify architectural drivers of the product family and shows how different products in the ...

**171** Multivalent documents

82%


 Thomas A. Phelps , Robert Wilensky

**Communications of the ACM** June 2000

Volume 43 Issue 6

**172** On mutli-resolution document transmission in mobile Web

82%

 Stanley M. T. Yau , Hong Va Leong , Dennis McLeod , Antonio Si


**ACM SIGMOD Record** September 1999

Volume 28 Issue 3

We propose a multi-resolution transmission mechanism that allows various organizational units of a web document to be transferred and browsed according to the amount of information captured. We define the notion of information content for each individual organizational unit of a web document as an indication of its captured information. The concept of information content is used as a foundation for defining the notion of relative informatio ...

**173** Technical papers: component technologies: Component rank: relative significance rank for software component search

82%


 Katsuro Inoue , Reishi Yokomori , Hikaru Fujiwara , Tetsuo Yamamoto , Makoto Matsushita , Shinji Kusumoto

**Proceedings of the 25th international conference on Software engineering** May 2003

Collections of already developed programs are important resources for efficient development of reliable software systems. In this paper, we propose a novel method of ranking software components, called *Component Rank*, based on analyzing actual use relations among the components and propagating the significance through the use relations. We have developed a component-rank computation system, and applied it to various Java programs. The result is promising such that non-specific and generic ...






**174** Research track: A bag of paths model for measuring structural similarity in Web documents

82%

 Sachindra Joshi , Neeraj Agrawal , Raghu Krishnapuram , Sumit Negi

**Proceedings of the ninth ACM SIGKDD international conference on Knowledge discovery and data mining** August 2003

Structural information (such as layout and look-and-feel) has been extensively used in the literatuce for extraction of interesting or relevant data, efficient storage, and query optimization. Traditionally, tree models (such as DOM trees) have been used to represent structural information, especially in the case of HTML and XML documents. However,

- 175** Short papers: Visualization of ontologies through hypertrees 82%  
 Kleber X. S. de Souza , Adriana D. dos Santos , Silvio R. M. Evangelista  
**Proceedings of the Latin American conference on Human-computer interaction** August 2003  
 In this paper, we present the use of hypertree as a supporting tool for visualization of ontologies in agricultural domain. This kind of visualization technique was used in the Information Agency Project, in execution by the Brazilian Agricultural Research Corporation -- Embrapa. The project's aim is to provide an information dissemination system structured in accordance to the productive chains of given products. That structure was chosen because it reflects the natural way technicians use to i ...
- 176** Adaptive hypermedia (2): "Pluggable" user models for adaptive hypermedia in education 82%  
 M. R. Zakaria , A. Moore , C. D. Stewart , T. J. Brailsford  
**Proceedings of the fourteenth ACM conference on Hypertext and hypermedia** August 2003  
 Most adaptive hypermedia systems used in education implement a single user model - inevitably originally designed for a specific set of circumstances. In this paper we describe an architecture that makes use of XML pipelines to facilitate the implementation of different user models.
- 177** Technical papers: Learning programs from traces using version space algebra 82%  
 Tessa Lau , Pedro Domingos , Daniel S. Weld  
**Proceedings of the international conference on Knowledge capture** October 2003  
 While existing learning techniques can be viewed as inducing programs from examples, most research has focused on rather narrow classes of programs, e.g., decision trees or logic rules. In contrast, most of today's programs are written in languages such as C++ or Java. Thus, many tasks we wish to automate (e.g. programming by demonstration and software reverse engineering) might be best formulated as induction of code in a procedural language. In this paper we apply version space algebra [10] to ...
- 178** Designing and accessing scientific digital libraries: On querying geospatial and georeferenced metadata resources in G-portal 82%  
 Zehua Liu , Ee-Peng Lim , Wee-Keong Ng , Dion H. Goh  
**Proceedings of the third ACM/IEEE-CS joint conference on Digital libraries** May 2003  
 G-Portal is a web portal system providing a range of digital library services to access geospatial and georeferenced resources on the Web. Among them are the storage and query subsystems that provide a central repository of metadata resources organized under different projects. In GPortal, all metadata resources are represented in XML (Extensible Markup Language) and they are compliant to some resource schemas defined by their creators. The resource schemas are extended versions of a basic resou ...
- 179** Usage-based visualization of web localities 82%  
 Boris Diebold , Michael Kaufmann  
**Australian symposium on Information visualisation - Volume 9** December 2001  
 The World-Wide Web has evolved into an extremely huge but "messy" information space which is hard to overview. Sitemaps as alternative views of Web sites have been proposed to assist the user in navigating the hyperspace. As Web localities are subject to frequent change and redesign, it is especially important to provide a system for automatic generation of such

## 180 Transformations and Experiences: Towards static type checking for XSLT

82%



Akihiko Tozawa

**Proceedings of the 2001 ACM Symposium on Document engineering** November 2001

We are concerned about the *static type checking* problem for XSLT. In the context of XSLT and other XML programming, *types* are DTDs or schemas, and *static type checking* is to verify that a program always converts valid source documents into also valid output documents. To achieve static type checking for XSLT, we introduce a subset of XSLT, and an efficient algorithm of *backward type inference* for that subset. Although our XSLT subset lacks XPath, it includes recursiv ...

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**1 Comparison of block bidding and hourly bidding based on case study**

*Geng Jian; Wang Xifan; Bai Xingzhong; Chen Haoyong;*

Power System Technology, 2002. Proceedings. PowerCon 2002. International Conference on , Volume: 3 , 13-17 Oct. 2002

Pages:1387 - 1391 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(396 KB\)\]](#)   IEEE CNF

**2 A synchronized and retrievable video/HTML lecture system for industrial employee training**

*Herng-Yow Chen; Jen-Shin Hong; Yu-Te Wu;*

Industrial Electronics Society, 1999. IECON '99 Proceedings. The 25th Annual Conference of the IEEE , Volume: 2 , 29 Nov.-3 Dec. 1999

Pages:750 - 755 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(468 KB\)\]](#)   IEEE CNF

**3 Telework training through World Wide Web**

*Smith, C.; Mayes, T.;*

Teleworking and Teleconferencing, IEE Colloquium on , 1994

Pages:10/1 - 10/3

[\[Abstract\]](#)   [\[PDF Full-Text \(228 KB\)\]](#)   IEEE CNF

**4 A preliminary study on strategic bidding in electricity markets with step-wise bidding protocol**

*Li Ma; Wen Fushuan; David, A.K.;*

Transmission and Distribution Conference and Exhibition 2002: Asia Pacific. IEEE/PES , Volume: 3 , 6-10 Oct. 2002

Pages:1960 - 1965 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(401 KB\)\]](#)   IEEE CNF

**5 Block bidding power markets**

*Xifan Wang; Xiaohong Guan; Xiuli Wang;*

Power System Technology, 2002. Proceedings. PowerCon 2002. International

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) IEEE CNF

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**6 Is it too late to put the user back into HTML?**

*Magel, K.;*

Computer , Volume: 30 , Issue: 12 , Dec. 1997

Pages:131 - 132

[\[Abstract\]](#) [\[PDF Full-Text \(236 KB\)\]](#) IEEE JNL

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**7 An automated change-detection algorithm for HTML documents bas on semantic hierarchies**

*Seung-Jin Lim; Yiu-Kai Ng;*

Data Engineering, 2001. Proceedings. 17th International Conference on , 2-6 2001

Pages:303 - 312

[\[Abstract\]](#) [\[PDF Full-Text \(1124 KB\)\]](#) IEEE CNF

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**8 Design of a Web-based synchronized multimedia lecture system for distance education**

*Herng-Yow Chen; Gin-Yi Chen; Jen-Shin Hong;*

Multimedia Computing and Systems, 1999. IEEE International Conference on , Volume: 2 , 7-11 June 1999

Pages:887 - 891 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) IEEE CNF

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**9 Turning tables [HTML tables]**

*Thomas, B.;*

Internet Computing, IEEE , Volume: 2 , Issue: 5 , Sept.-Oct. 1998

Pages:87 - 89

[\[Abstract\]](#) [\[PDF Full-Text \(128 KB\)\]](#) IEEE JNL

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**10 Development of bidding strategies in electricity markets using possibility theory**

*Li Yang; Fushuan Wen; Wu, F.F.; Yixin Ni; Jiaju Qiu;*

Power System Technology, 2002. Proceedings. PowerCon 2002. International Conference on , Volume: 1 , 13-17 Oct. 2002

Pages:182 - 187 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(601 KB\)\]](#) IEEE CNF

---

**11 Extracting structures of HTML documents**

*Lim, S.-J.; Ng, Y.-K.;*

Information Networking, 1998. (ICOIN-12) Proceedings., Twelfth International Conference on , 21-23 Jan. 1998

Pages:420 - 426

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) IEEE CNF

---

**12 Formulating bidding strategies to maximize GENCO profits**

*Khai Le;*

Power Engineering Society Summer Meeting, 2002 IEEE , Volume: 3 , 21-25 J 2002

Pages:1297 - 1299 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(390 KB\)\]](#) IEEE CNF

---

**13 Power system bidding tournaments for a regulated environment***Sakk, E.; Thomas, R.J.; Zimmerman, R.;*

System Sciences, 1997, Proceedings of the Thirtieth Hawaii International Conference on , Volume: 5 , 7-10 Jan. 1997

Pages:681 - 686 vol.5

[\[Abstract\]](#) [\[PDF Full-Text \(648 KB\)\]](#) [IEEE CNF](#)

---

**14 A computerized prototype model for evaluating the failure in bidding strategies***Eldukair, Z.A.;*

Proceedings of ISUMA - NAFIPS '95 The Third International Symposium on Uncertainty Modeling and Analysis and Annual Conference of the North American Fuzzy Information Processing Society , 17-20 Sept. 1995

Pages:772 - 776

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) [IEEE CNF](#)

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**15 Power purchase strategies under the condition of power market***Zhou Ping; Zhou Jiaqi;*

Power System Technology, 2002. Proceedings. PowerCon 2002. International Conference on , Volume: 3 , 13-17 Oct. 2002

Pages:1833 - 1836 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(277 KB\)\]](#) [IEEE CNF](#)

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## A preliminary study on strategic bidding in electricity markets with step-wise bidding protocol

[Li Ma](#) [Wen Fushuan](#) [David, A.K.](#)

Zhejiang Univ., Hangzhou, China

*This paper appears in: Transmission and Distribution Conference and Exhibition 2002: Asia Pacific. IEEE/PES*

Publication Date: 6-10 Oct. 2002

On page(s): 1960 - 1965 vol.3

Volume: 3

ISSN:

Number of Pages: 3 vol. 2377

Inspec Accession Number: 7644267

**Abstract:**

The power industry of China is now being restructured and generation market expected to be established nationwide in 10-15 years. Zhejiang provincial electricity market, as a pilot one, has been successfully operated for more than two years. In this electricity market environment, the profits of generation companies depend, to a large extent, on their **bidding** strategies. As a result, how to develop the optimal **bidding** strategy has become a major concern of generation companies. Given this background, a model of **bidding** strategies based on Zhejiang provincial electricity market in step-wise **bidding** rules are utilized is developed in this paper. Rival **bidding** strategies are described by a normal distribution function, and the problem of building the optimal **bidding** strategy for a generation company is then formulated as a stochastic optimization problem, and solved by a Monte Carlo approach. A simple numerical example with five suppliers is served for illustrating the essential features of the presented method.

**Index Terms:**

[Monte Carlo methods](#) [power markets](#) [power system economics](#) [stochastic processes](#) [Monte Carlo approach](#) [Zhejiang provincial electricity market](#) [electricity markets](#) [generation markets](#) [normal distribution function](#) [optimal bidding strategy](#) [power industry restructuring](#) [step-wise bidding protocol](#) [step-wise bidding rules](#) [stochastic optimization](#) [strategic bidding](#)

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